

LABdex



Benchtop Multi-parameter Water Quality Meter LX101MPWM

Email: info@labdex.com **website:** www.labdex.com

Description

Benchtop Multi-parameter Water Quality Meter LX101MPWM provides fast and accurate measurements with automatic identification of standard solutions. It supports auto-read, continuous read, and timed read modes for flexible operation. The instrument features a clear LCD display for easy data viewing and is built with a durable IP54 waterproof construction for reliable performance in various laboratory environments.

Specifications

pH range	-2.00 to 20.00 pH
pH resolution	0.1, 0.01 pH
pH accuracy	± 0.01 pH
pH calibration points	Up to 5
pH standard customization	Yes
pH standard recognition	NIST, GB, USA and DIN buffers
pH slope limit	Yes
ORP range	-2000.0 to 2000.0 mV
ORP resolution	0.1 mV
ORP accuracy	± 0.3 mV or ± 0.1 %
pX range	-2.00 to 20.00 pX
pX resolution	0.1, 0.01 pX
pX accuracy	± 0.01 pX
pX calibration points	Up to 5

ISE range	1.000 e-9 to 9.999 e+9
ISE unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
ISE resolution	Up to 4
ISE accuracy	± 0.5 %
ISE calibration points	Up to 5
Conductivity range	0.000 µS/cm to 1000 mS/cm
Conductivity resolution	0.001 µS/cm, various with range selection
Conductivity accuracy	± 1.0 % FS
Conductivity reference temperature	20, 25 °C
Conductivity calibration points	Up to 3
Conductivity standard recognition	84 µS/cm, 1413 µS/cm, 12.88 mS/cm
Resistivity range	5.00 Ω cm - 20.00 M Ω cm
Resistivity resolution	0.01 Ω cm minimum
Resistivity accuracy	± 1.0 % FS
TDS range	0.00 ppm - 300 ppt
TDS resolution	0.01 mg/L minimum, various with range selection
TDS accuracy	± 1.0 % FS
Salinity range	0.0 - 80.0 ppt

Salinity resolution	0.1 ppt
Salinity accuracy	± 2 ppt
DO range	0.00 to 20.00 ppm
DO resolution	0.01 ppm
DO accuracy	± 0.10 ppm
DO calibration points	Air-saturated water or zero point
DO barometric compensation	Yes
DO manual salinity factor correction	Yes
Saturation range	0.0 to 200.0 %
Saturation resolution	0.1%
Saturation accuracy	± 2.0 %
Temperature range	-5 to 110°C, 23 to 230°F
Temperature resolution	0.1
Temperature accuracy	± 0.2
Power supply	AC Adapter, 100 - 240 V AC input, DC 9 V output
External dimension	242 x 195 x 68 mm
Net weight	0.9 Kg
Packing dimension	370 x 310 x 330 mm

Gross weight	7 Kg
---------------------	------

Features

- Measures multiple parameters pH, ORP, pX, ISE, conductivity, TDS, salinity, resistivity, dissolved oxygen (DO), and saturation
- High-resolution LCD display with backlight, date, time, and auto-hold function
- Automatic or manual temperature compensation (ATC/MTC)
- Data storage up to 500 results with USB/RS-232 interface
- Selectable units concentration ($\mu\text{g/L}$, mg/L , ppm, etc.) and pressure (kPa, mbar, Torr, Atm)
- Supports air-saturated water and zero-oxygen calibration
- Auto barometric pressure and manual salinity correction
- Configurable parameters cell constant, temperature coefficient, and TDS factor
- GLP compliant with compatible pH, DO (4-pin), and conductivity (5-pin) probes
- Auto shut-down (1 - 60 min) for energy saving

Applications

- Ideal for water quality monitoring in laboratories, environmental testing, and industrial process control providing simultaneous measurement of key parameters such as pH, conductivity, dissolved oxygen, and salinity for accurate assessment of sample conditions.

Standard Accessories

- pH Triad electrode
- Conductivity electrode
- Dissolved oxygen electrode
- NIST pH Standard solutions (4.01, 7.00, 10.01), 1 bottle each (50 ml/bottle)
- 1413 $\mu\text{S/cm}$ Conductivity standard solution, 1 bottle (50 ml/bottle)
- Multifunctional electrode holder



71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

Email: info@labdex.com | Website: www.labdex.com